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NEWS 4 May 12 Polymer links for the POLYLINK command completed in REGISTRY
NEWS 5 May 27 New UPM (Update Code Maximum) field for more efficient patent
SDIs in Caplus
NEWS 6 May 27 Caplus super roles and document types searchable in REGISTRY
NEWS 7 Jun 28 Additional enzyme-catalyzed reactions added to CASREACT
NEWS 8 Jun 28 ANTE, AQUALINE, BIOENG, CIVILENG, ENVIROENG, MECHENG,
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NEWS EXPRESS MARCH 31 CURRENT WINDOWS VERSION IS V7.00A, CURRENT
MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),
AND CURRENT DISCOVER FILE IS DATED 26 APRIL 2004
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=> index bioscience patents

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FILE 'ENCOMPPAT2' ACCESS NOT AUTHORIZED
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	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	0.21	0.21

INDEX 'ADISCTI, ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, AQUASCI, BIOBUSINESS,
BIOCOMMERCE, BIOSIS, BIOTECHABS, BIOTECHDS, BIOTECHNO, CABA, CANCERLIT,
CAPLUS, CEABA-VTB, CEN, CIN, CONFSCI, CROPB, CROPU, DISSABS, DDFB, DDFU,
DGENE, DRUGB, DRUGMONOG2, ...' ENTERED AT 11:02:29 ON 27 JUL 2004

92 FILES IN THE FILE LIST IN STNINDEX

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=> "cyclic amplification" and "proteons"

1 FILE DGENE
27 FILES SEARCHED...
1 FILE IFIPAT
60 FILES SEARCHED...
1 FILE USPATFULL
83 FILES SEARCHED...
1 FILE PCTFULL

4 FILES HAVE ONE OR MORE ANSWERS, 92 FILES SEARCHED IN STNINDEX

L1 QUE "CYCLIC AMPLIFICATION" AND "PROTEONS"

=> file dgebe ifipat uspatfull pctfull

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=> "cyclic amplification" and "proteons"

L2 4 "CYCLIC AMPLIFICATION" AND "PROTEONS"

=> d ti 1-4

L2 ANSWER 1 OF 4 DGENE COPYRIGHT 2004 THOMSON DERWENT on STN

TI Cyclically amplifying **proteons** in a biological sample for
detecting conformational or congophilic disorders by centrifuging the
sample until a supernatant is formed, dividing the supernatant into
subsamples and heating a subsample.

L2 ANSWER 2 OF 4 IFIPAT COPYRIGHT 2004 IFI on STN

TI METHOD OF ISOLATION AND SELF-ASSEMBLY OF SMALL PROTEIN PARTICLES FROM
BLOOD AND OTHER BIOLOGICAL MATERIALS

L2 ANSWER 3 OF 4 USPATFULL on STN

TI Method of isolation and self-assembly of small protein particles from
blood and other biological materials

L2 ANSWER 4 OF 4 PCTFULL COPYRIGHT 2004 Univentio on STN

TIEN METHOD OF ISOLATION AND SELF-ASSEMBLY OF SMALL PROTEIN PARTICLES FROM
BLOOD AND OTHER BIOLOGICAL MATERIALS

TIFR METHODES D'ISOLEMENT ET D'AUTO-ASSEMBLAGE DE PETITES PARTICULES

PROTEINIQUES PRESENTES DANS DU SANG OU DANS D'AUTRES MATIERES
BIOLOGIQUES

=> index bioscience patents

FILE 'DRUGMONOG' ACCESS NOT AUTHORIZED
FILE 'ENCOMPPAT' ACCESS NOT AUTHORIZED
FILE 'ENCOMPPAT2' ACCESS NOT AUTHORIZED
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	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	4.97	9.17

INDEX 'ADISCTI, ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, AQUASCI, BIOBUSINESS,
BIOCOMMERCE, BIOSIS, BIOTECHABS, BIOTECHDS, BIOTECHNO, CABA, CANCERLIT,
CAPLUS, CEABA-VTB, CEN, CIN, CONFSCI, CROPB, CROPU, DISSABS, DDFB, DDFU,
DGENE, DRUGB, DRUGMONOG2, ...' ENTERED AT 11:07:30 ON 27 JUL 2004

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=> ("cyclic amplification" or amplification) and ("misfolded proteins" or proteins
or PNC)

3	FILE ADISCTI
3	FILE ADISINSIGHT
1	FILE ADISNEWS
413	FILE AGRICOLA
29	FILE ANABSTR
135	FILE AQUASCI
249	FILE BIOBUSINESS
12	FILE BIOCOMMERCE
6054	FILE BIOSIS
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10613	FILE CAPLUS
53	FILE CEABA-VTB
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19 FILES SEARCHED...	
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22	FILE DDFU
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3	FILE IMSDRUGNEWS
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30 FILES SEARCHED...	
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82	FILE FSTA
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 51 FILES SEARCHED...
 1171 FILE PASCAL
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 4749 FILE SCISEARCH
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 45430 FILE USPATFULL
 2134 FILE USPAT2
 12 FILE VETU
 1493 FILE WPIDS
 9 FILE WPIFV
 1493 FILE WPINDEX
 1 FILE CAOLD
 1 FILE CASREACT

72 FILES SEARCHED...
 28 FILE DPCI
 6830 FILE EUROPATFULL
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 201 FILE INPADOC
 5 FILE JAPIO
 18 FILE PAPERCHEM2
 304 FILE PATDPAFULL
 61 FILE PATOSEP
 79 FILE PATOSWO
 32591 FILE PCTFULL

87 FILES SEARCHED...
 3 FILE RAPRA

71 FILES HAVE ONE OR MORE ANSWERS, 92 FILES SEARCHED IN STNINDEX

L3 QUE ("CYCLIC AMPLIFICATION" OR AMPLIFICATION) AND ("MISFOLDED PROTEINS" OR PROTEINS OR PNC)

=> "cyclic amplification" and ("misfolded proteins" or PNC)

1 FILE BIOSIS
 1 FILE BIOTECHNO
 1 FILE CAPLUS
 24 FILES SEARCHED...
 1 FILE DGENE
 1 FILE EMBASE
 1 FILE ESBIODBASE
 1 FILE IFIPAT
 1 FILE LIFESCI

45 FILES SEARCHED...
 1 FILE MEDLINE
 1 FILE SCISEARCH
 1 FILE USPATFULL

70 FILES SEARCHED...
 1 FILE PCTFULL

90 FILES SEARCHED...

12 FILES HAVE ONE OR MORE ANSWERS, 92 FILES SEARCHED IN STNINDEX

L4 QUE "CYCLIC AMPLIFICATION" AND ("MISFOLDED PROTEINS" OR PNC)

=> file biosis biotechno caplus embase esbiobase lifesci medline scisearch		
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=> "cyclic amplification" and ("misfolded proteins" or PNC)
 L5 8 "CYCLIC AMPLIFICATION" AND ("MISFOLDED PROTEINS" OR PNC)

=> d ti 1-8

L5 ANSWER 1 OF 8 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
 TI **Cyclic amplification** of protein misfolding:
 Application to prion-related disorders and beyond.

L5 ANSWER 2 OF 8 BIOTECHNO COPYRIGHT 2004 Elsevier Science B.V. on STN
 TI **Cyclic amplification** of protein misfolding:
 Application to prion-related disorders and beyond

L5 ANSWER 3 OF 8 CAPLUS COPYRIGHT 2004 ACS on STN
 TI **Cyclic amplification** of protein misfolding:
 application to prion-related disorders and beyond

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 on STN
 TI **Cyclic amplification** of protein misfolding:
 Application to prion-related disorders and beyond.

L5 ANSWER 5 OF 8 Elsevier BIOBASE COPYRIGHT 2004 Elsevier Science B.V. on
 STN
 TI **Cyclic amplification** of protein misfolding:
 Application to prion-related disorders and beyond

L5 ANSWER 6 OF 8 LIFESCI COPYRIGHT 2004 CSA on STN
 TI **Cyclic amplification** of protein misfolding:
 application to prion-related disorders and beyond

L5 ANSWER 7 OF 8 MEDLINE on STN
 TI **Cyclic amplification** of protein misfolding:

application to prion-related disorders and beyond.

L5 ANSWER 8 OF 8 SCISEARCH COPYRIGHT 2004 THOMSON ISI on STN
TI **Cyclic amplification** of protein misfolding:
application to prion-related disorders and beyond

=> d ab bib 1

L5 ANSWER 1 OF 8 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
AB Diverse human disorders, including the majority of neurodegenerative diseases, are thought to arise from the misfolding and aggregation of protein. We have recently described a novel technology to amplify cyclically **misfolded proteins** in vitro. This procedure, named protein misfolding **cyclic amplification** (PMCA), is conceptually analogous to DNA amplification by PCR and has tremendous implications for research and diagnosis. The PMCA concept has been proved on the amplification of prions implicated in the pathogenesis of transmissible spongiform encephalopathies. In this article we describe the rationale behind PMCA and some of the many potential applications of this novel technology.
AN 2002:430276 BIOSIS
DN PREV200200430276
TI **Cyclic amplification** of protein misfolding:
Application to prion-related disorders and beyond.
AU Soto, Claudio [Reprint author]; Saborio, Gabriela P.; Anderes, Laurence
CS 15 Chemin des Mines, 1211, Geneva, Switzerland
claudio.soto@serono.com
SO Trends in Neurosciences, (August, 2002) Vol. 25, No. 8, pp. 390-394.
print.
CODEN: TNSCDR. ISSN: 0166-2236.
DT Article
LA English
ED Entered STN: 14 Aug 2002
Last Updated on STN: 14 Aug 2002

=> index bioscience patents

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	ENTRY	SESSION
FULL ESTIMATED COST	39.04	56.19

INDEX 'ADISCTI, ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, AQUASCI, BIOBUSINESS, BIOCOMMERCE, BIOSIS, BIOTECHABS, BIOTECHDS, BIOTECHNO, CABA, CANCERLIT, CAPLUS, CEABA-VTB, CEN, CIN, CONFSCI, CROPB, CROPU, DISSABS, DDFB, DDFU, DGENE, DRUGB, DRUGMONOG2, ...' ENTERED AT 11:30:07 ON 27 JUL 2004

92 FILES IN THE FILE LIST IN STNINDEX

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=> amplification and centrifuging and heating and "misfolded proteins"

1 FILE DGENE
25 FILES SEARCHED...
1 FILE IFIPAT
50 FILES SEARCHED...
9 FILE USPATFULL
68 FILES SEARCHED...
3 FILE PCTFULL
87 FILES SEARCHED...

4 FILES HAVE ONE OR MORE ANSWERS, 92 FILES SEARCHED IN STNINDEX

L6 QUE AMPLIFICATION AND CENTRIFUGING AND HEATING AND "MISFOLDED PROTEINS"

=> file DGENE IFIPAT USPATFULL PCTFULL
COST IN U.S. DOLLARS

	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	3.99	60.18

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=> amplification and centrifuging and heating and "misfolded proteins"

L7 14 AMPLIFICATION AND CENTRIFUGING AND HEATING AND "MISFOLDED PROTEI
NS"

=> d di 1-14

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'D' IS NOT A VALID FORMAT

'1-14' IS NOT A VALID FORMAT

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individual files.

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L7 ANSWER 1 OF 14 DGENE COPYRIGHT 2004 THOMSON DERWENT on STN
TI Cyclically amplifying proteons in a biological sample for detecting
conformational or congophilic disorders by **centrifuging** the
sample until a supernatant is formed, dividing the supernatant into
subsamples and **heating** a subsample.

L7 ANSWER 2 OF 14 IFIPAT COPYRIGHT 2004 IFI on STN
TI METHOD OF ISOLATION AND SELF-ASSEMBLY OF SMALL PROTEIN PARTICLES FROM
BLOOD AND OTHER BIOLOGICAL MATERIALS

L7 ANSWER 3 OF 14 USPATFULL on STN
TI Method of isolation and self-assembly of small protein particles from
blood and other biological materials

L7 ANSWER 4 OF 14 USPATFULL on STN
TI Yeast cell surface display of proteins and uses thereof

L7 ANSWER 5 OF 14 USPATFULL on STN
TI Yeast cell surface display of proteins and uses thereof

L7 ANSWER 6 OF 14 USPATFULL on STN
TI Nucleic acid sequences encoding type III tenebrio antifreeze proteins
and method for assaying activity

L7 ANSWER 7 OF 14 USPATFULL on STN
 TI Nucleic acid sequences encoding type III tenebrio antifreeze proteins and method for assaying activity

L7 ANSWER 8 OF 14 USPATFULL on STN
 TI Yeast cell surface display of proteins and uses thereof

L7 ANSWER 9 OF 14 USPATFULL on STN
 TI Yeast cell surface display of proteins and uses thereof

L7 ANSWER 10 OF 14 USPATFULL on STN
 TI Yeast cell surface display of proteins and uses thereof

L7 ANSWER 11 OF 14 USPATFULL on STN
 TI Production of insulin-like growth factor-1 in methylotrophic yeast cells

L7 ANSWER 12 OF 14 PCTFULL COPYRIGHT 2004 Univentio on STN
 TIEN METHOD OF ISOLATION AND SELF-ASSEMBLY OF SMALL PROTEIN PARTICLES FROM BLOOD AND OTHER BIOLOGICAL MATERIALS
 TIFR METHODES D'ISOLEMENT ET D'AUTO-ASSEMBLAGE DE PETITES PARTICULES PROTEINIQUES PRESENTES DANS DU SANG OU DANS D'AUTRES MATIERES BIOLOGIQUES

L7 ANSWER 13 OF 14 PCTFULL COPYRIGHT 2004 Univentio on STN
 TIEN NUCLEIC ACID SEQUENCES ENCODING TYPE III TENEBRIO ANTIFREEZE PROTEINS AND METHOD FOR ASSAYING ACTIVITY
 TIFR SEQUENCES D'ACIDES NUCLEIQUES CODANT POUR DES PROTEINES ANTIGEL DE TENEBRION TYPE III ET PROCEDE D'ANALYSE ASSOCIE

L7 ANSWER 14 OF 14 PCTFULL COPYRIGHT 2004 Univentio on STN
 TIEN YEAST CELL SURFACE DISPLAY OF PROTEINS AND USES THEREOF
 TIFR PROTEINES POUR LA PRESENTATION DE LA SURFACE D'UNE CELLULE DE LEVURE ET LEURS UTILISATIONS

=> d ab bib 4, 6, 7

L7 ANSWER 4 OF 14 USPATFULL on STN
 AB The present invention provides a genetic method for tethering polypeptides to the yeast cell wall in a form accessible for binding to macromolecules. Combining this method with fluorescence-activated cell sorting provides a means of selecting proteins with increased or decreased affinity for another molecule, altered specificity, or conditional binding. Also provided is a method for genetic fusion of the N terminus of a polypeptide of interest to the C-terminus of the yeast Aga2p cell wall protein. The outer wall of each yeast cell can display approximately 10^{sup.4} protein agglutinins. The native agglutinins serve as specific adhesion contacts to fuse yeast cells of opposite mating type during mating. In effect, yeast has evolved a platform for protein-protein binding without steric hindrance, from cell wall components. As one embodiment, attaching an scFv antibody fragment to the Aga2p agglutinin effectively mimics the cell surface display of antibodies by B cells in the immune system for affinity maturation in vivo. As another embodiment, T cell receptor mutants can be isolated by this method that are efficiently displayed on the yeast cell surface, providing a means of altering T cell receptor binding affinity and specificity by library screening.

AN 2004:53289 USPATFULL
 TI Yeast cell surface display of proteins and uses thereof
 IN Wittrup, K. Dane, Chestnut Hill, MA, United States
 Kranz, David M., Champaign, IL, United States
 Kieke, Michele, Urbana, IL, United States
 Boder, Eric T., Media, PA, United States

PA Board of Trustees of the University of Illinois, Urbana, IL, United States (U.S. corporation)
PI US 6699658 B1 20040302
AI US 1998-9388 19980120 (9)
RLI Continuation-in-part of Ser. No. US 1997-866398, filed on 30 May 1997, now abandoned
PRAI US 1996-18741P 19960531 (60)
DT Utility
FS GRANTED
EXNAM Primary Examiner: Guzo, David
LREP Greenlee, Winner and Sullivan, P.C.
CLMN Number of Claims: 42
ECL Exemplary Claim: 1
DRWN 36 Drawing Figure(s); 27 Drawing Page(s)
LN.CNT 2835
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L7 ANSWER 6 OF 14 USPATFULL on STN
AB Thermal hysteresis proteins and their nucleotide sequences derived from the Tenebrionoidea Superfamily which lower the freezing point of a solution without effecting the melting point. Related methods for preparing said proteins and for providing antifreeze or recrystallization inhibition properties to a subject formulation.
AN 2002:307900 USPATFULL
TI Nucleic acid sequences encoding type III tenebrio antifreeze proteins and method for assaying activity
IN Horwath, Kathleen L., Endwell, NY, UNITED STATES
Easton, Christopher M., Ithaca, NY, UNITED STATES
PI US 2002173024 A1 20021121
AI US 2001-876796 A1 20010607 (9)
PRAI US 2000-210446P 20000608 (60)
DT Utility
FS APPLICATION
LREP Mark Levy, SALZMAN & LEVY, Ste. 902, 19 Chenango St., Binghamton, NY, 13901
CLMN Number of Claims: 40
ECL Exemplary Claim: 1
DRWN 131 Drawing Page(s)
LN.CNT 10082
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L7 ANSWER 7 OF 14 USPATFULL on STN
AB A recrystallization inhibition method for determining the presence, relative concentration, and/or activity of thermal hysteresis proteins comprising: providing a proteinaceous composition in a solvent to form a test solution; flash freezing said solution; raising the temperature of the frozen solution to an appropriate annealing temperature that allows for a partial melt, while limiting heterogeneity in ice grain sizes within said solution; maintaining said frozen solution at the annealing temperature for a length of time sufficient to allow for recrystallization; monitoring the ice crystal grain size changes over time; and determining the presence of functional thermal hysteresis proteins in said solution given the retention of significantly smaller ice crystal grain sizes relative to at least one control solution.
AN 2002:307828 USPATFULL
TI Nucleic acid sequences encoding type III tenebrio antifreeze proteins and method for assaying activity
IN Horwath, Kathleen L., Endwell, NY, UNITED STATES
Meyers, Kevin L., Trumansburg, NY, UNITED STATES
PI US 2002172951 A1 20021121
AI US 2001-876348 A1 20010607 (9)
PRAI US 2000-210446P 20000608 (60)
DT Utility
FS APPLICATION

LREP Mark Levy, SALZMAN & LEVY, Ste. 902, 19 Chenango St., Binghamton, NY,
13901
CLMN Number of Claims: 34
ECL Exemplary Claim: 1
DRWN 131 Drawing Page(s)
LN.CNT 10121
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

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NEWS 3 May 12 EXTEND option available in structure searching
NEWS 4 May 12 Polymer links for the POLYLINK command completed in REGISTRY
NEWS 5 May 27 New UPM (Update Code Maximum) field for more efficient patent
SDIs in Caplus
NEWS 6 May 27 Caplus super roles and document types searchable in REGISTRY
NEWS 7 Jun 28 Additional enzyme-catalyzed reactions added to CASREACT
NEWS 8 Jun 28 ANTE, AQUALINE, BIOENG, CIVILENG, ENVIROENG, MECHENG,
and WATER from CSA now available on STN(R)
NEWS 9 Jul 12 BEILSTEIN enhanced with new display and select options,
resulting in a closer connection to BABS

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AND CURRENT DISCOVER FILE IS DATED 26 APRIL 2004
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NEWS INTER General Internet Information
NEWS LOGIN Welcome Banner and News Items
NEWS PHONE Direct Dial and Telecommunication Network Access to STN
NEWS WWW CAS World Wide Web Site (general information)

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=> FIL USPATFULL PCTFULL

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.21

0.21

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=> FIL EUROPATFULL	SINCE FILE	TOTAL
COST IN U.S. DOLLARS	ENTRY	SESSION
FULL ESTIMATED COST	2.29	2.50

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MOST RECENT EPO WEEK:	200430	<200430/EW>
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>>>>>The LIMIT feature has been removed <<<<<

=> E EP0515194A2/PN 25

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E2	1	EP515193/PN
E3	1 -->	EP515194/PN
E4	1	EP515195/PN
E5	1	EP515196/PN
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E7	1	EP515198/PN
E8	1	EP515199/PN
E9	1	EP515200/PN
E10	1	EP515201/PN
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E12	1	EP515203/PN
E13	1	EP515204/PN
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E15	1	EP515206/PN
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E20	1	EP515211/PN
E21	1	EP515212/PN
E22	1	EP515213/PN
E23	1	EP515214/PN
E24	1	EP515215/PN
E25	1	EP515216/PN

=> E 25

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E37	1	EP515228/PN
E38	1	EP515229/PN
E39	1	EP515230/PN

E40 1 EP515231/PN
E41 1 EP515232/PN
E42 1 EP515233/PN
E43 1 EP515234/PN
E44 1 EP515235/PN
E45 1 EP515236/PN
E46 1 EP515237/PN
E47 1 EP515238/PN
E48 1 EP515239/PN
E49 1 EP515240/PN
E50 1 EP515241/PN

=> S E3

L1 1 EP515194/PN

=> DIS L1 1 TI

L1 ANSWER 1 OF 1 · EUROPATFULL COPYRIGHT 2004 WILA on STN
TIEN Assay methods utilizing induced luminescence.
TIEN Assay methods utilizing induced luminescence.

=>

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:sssptal653rbm

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * Welcome to STN International * * * * *

NEWS 1 Web Page URLs for STN Seminar Schedule - N. America
NEWS 2 "Ask CAS" for self-help around the clock
NEWS 3 May 12 EXTEND option available in structure searching
NEWS 4 May 12 Polymer links for the POLYLINK command completed in REGISTRY
NEWS 5 May 27 New UPM (Update Code Maximum) field for more efficient patent
SDIs in CApus
NEWS 6 May 27 CApus.super roles and document types searchable in REGISTRY
NEWS 7 Jun 28 Additional enzyme-catalyzed reactions added to CASREACT
NEWS 8 Jun 28 ANTE, AQUALINE, BIOENG, CIVILENG, ENVIROENG, MECHENG,
and WATER from CSA now available on STN(R)
NEWS 9 Jul 12 BEILSTEIN enhanced with new display and select options,
resulting in a closer connection to BABS

NEWS EXPRESS MARCH 31 CURRENT WINDOWS VERSION IS V7.00A, CURRENT
MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),
AND CURRENT DISCOVER FILE IS DATED 26 APRIL 2004
NEWS HOURS STN Operating Hours Plus Help Desk Availability
NEWS INTER General Internet Information
NEWS LOGIN Welcome Banner and News Items
NEWS PHONE Direct Dial and Telecommunication Network Access to STN
NEWS WWW CAS World Wide Web Site (general information)

Enter NEWS followed by the item number or name to see news on that
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* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 15:09:22 ON 27 JUL 2004

=> index bioscience patents

FILE 'DRUGMONOG' ACCESS NOT AUTHORIZED

FILE 'ENCOMPPAT' ACCESS NOT AUTHORIZED

FILE 'ENCOMPPAT2' ACCESS NOT AUTHORIZED

COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
0.21	0.21

FULL ESTIMATED COST

INDEX 'ADISCTI, ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, AQUASCI, BIOBUSINESS, BIOCOMMERCE, BIOSIS, BIOTECHABS, BIOTECHDS, BIOTECHNO, CABA, CANCERLIT, CAPLUS, CEABA-VTB, CEN, CIN, CONFSCI, CROPB, CROPU, DISSABS, DDFB, DDFU, DGENE, DRUGB, DRUGMONOG2, ...' ENTERED AT 15:09:49 ON 27 JUL 2004

92 FILES IN THE FILE LIST IN STNINDEX

Enter SET DETAIL ON to see search term postings or to view search error messages that display as .0* with SET DETAIL OFF.

=> (prions or proteons or "misfolded proteins" or PrPC) and (heating or heat)

2	FILE ADISNEWS
26	FILE AGRICOLA
1	FILE AQUASCI
1	FILE BIOBUSINESS
118	FILE BIOSIS
5	FILE BIOTECHABS
5	FILE BIOTECHDS
71	FILE BIOTECHNO
36	FILE CABA
18	FILE CANCERLIT
165	FILE CAPLUS
1	FILE CEABA-VTB
4	FILE CEN

20 FILES SEARCHED...

12	FILE DISSABS
1	FILE DDFU
15	FILE DGENE
2	FILE DRUGU
123	FILE EMBASE

32 FILES SEARCHED...

87	FILE ESBIODASE
16	FILE FEDRIP
14	FILE FROSTI
12	FILE FSTA
8	FILE GENBANK
30	FILE IFIPAT
8	FILE JICST-EPLUS
54	FILE LIFESCI
249	FILE MEDLINE
1	FILE NTIS

49 FILES SEARCHED...

21	FILE PASCAL
43	FILE PROMT
144	FILE SCISEARCH
93	FILE TOXCENTER
776	FILE USPATFULL

60 FILE USPAT2
65 FILES SEARCHED...
1 FILE VETU
44 FILE WPIDS
1 FILE WPIFV
44 FILE WPINDEX
1 FILE DPCI
95 FILE EUROPATFULL
2 FILE FRFULL

76 FILES SEARCHED...
8 FILE INPADO
2 FILE PATDPAFULL
3 FILE PATOSEP
3 FILE PATOSWO
663 FILE PCTFULL

91 FILES SEARCHED...

46 FILES HAVE ONE OR MORE ANSWERS, 92 FILES SEARCHED IN STNINDEX

L1 QUE (PRIONS OR PROTEONS OR "MISFOLDED PROTEINS" OR PRPC) AND (HEATING OR H
EAT)

=> index bioscience patents

FILE 'DRUGMONOG' ACCESS NOT AUTHORIZED
FILE 'ENCOMPPAT' ACCESS NOT AUTHORIZED
FILE 'ENCOMPPAT2' ACCESS NOT AUTHORIZED
COST IN U.S. DOLLARS

	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	3.99	4.20

INDEX 'ADISCTI, ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, AQUASCI, BIOBUSINESS,
BIOCOMMERCE, BIOSIS, BIOTECHABS, BIOTECHDS, BIOTECHNO, CABA, CANCERLIT,
CAPLUS, CEABA-VTB, CEN, CIN, CONFSCI, CROPB, CROPU, DISSABS, DDFB, DDFU,
DGENE, DRUGB, DRUGMONOG2, ...' ENTERED AT 15:14:16 ON 27 JUL 2004

92 FILES IN THE FILE LIST IN STNINDEX

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=> (prions or proteons or "misfolded proteins") and (heating or heat)

2 FILE ADISNEWS
26 FILE AGRICOLA
1 FILE AQUASCI
1 FILE BIOBUSINESS
106 FILE BIOSIS
5 FILE BIOTECHABS
5 FILE BIOTECHDS
71 FILE BIOTECHNO
34 FILE CABA
17 FILE CANCERLIT
138 FILE CAPLUS
1 FILE CEABA-VTB
4 FILE CEN
12 FILE DISSABS
1 FILE DDFU

24 FILES SEARCHED...
15 FILE DGENE
2 FILE DRUGU
123 FILE EMBASE
87 FILE ESBIODASE
16 FILE FEDRIP
14 FILE FROSTI
12 FILE FSTA

29 FILE IFIPAT
 8 FILE JICST-EPLUS
 43 FILES SEARCHED...
 54 FILE LIFESCI
 235 FILE MEDLINE
 1 FILE NTIS
 21 FILE PASCAL
 43 FILE PROMT
 127 FILE SCISEARCH
 62 FILES SEARCHED...
 86 FILE TOXCENTER
 757 FILE USPATFULL
 59 FILE USPAT2
 1 FILE VETU
 41 FILE WPIDS
 1 FILE WPIFV
 41 FILE WPINDEX
 1 FILE DPCI
 94 FILE EUROPATFULL
 74 FILES SEARCHED...
 2 FILE FRFULL
 8 FILE INPADO
 2 FILE PATDPAFULL
 3 FILE PATOSEP
 3 FILE PATOSWO
 639 FILE PCTFULL

45 FILES HAVE ONE OR MORE ANSWERS, 92 FILES SEARCHED IN STNINDEX

L2 QUE (PRIONS OR PROTEONS OR "MISFOLDED PROTEINS") AND (HEATING OR HEAT)

=> (prions or proteons or "misfolded proteins") and (heating and centrifuging)

23 FILES SEARCHED...
 1 FILE DGENE
 40 FILES SEARCHED...
 1 FILE IFIPAT
 62 FILES SEARCHED...
 33 FILE USPATFULL
 3 FILE USPAT2
 1 FILE WPIDS
 1 FILE WPINDEX
 1 FILE EUROPATFULL
 80 FILES SEARCHED...
 21 FILE PCTFULL

8 FILES HAVE ONE OR MORE ANSWERS, 92 FILES SEARCHED IN STNINDEX

L3 QUE (PRIONS OR PROTEONS OR "MISFOLDED PROTEINS") AND (HEATING AND CENTRIFUGING)

=>

=> file uspatfull
 COST IN U.S. DOLLARS
 FULL ESTIMATED COST

SINCE FILE ENTRY	TOTAL SESSION
3.42	7.62

FILE 'USPATFULL' ENTERED AT 15:18:01 ON 27 JUL 2004
 CA INDEXING COPYRIGHT (C) 2004 AMERICAN CHEMICAL SOCIETY (ACS)

FILE COVERS 1971 TO PATENT PUBLICATION DATE: 27 Jul 2004 (20040727/PD)
 FILE LAST UPDATED: 27 Jul 2004 (20040727/ED)
 HIGHEST GRANTED PATENT NUMBER: US6769133
 HIGHEST APPLICATION PUBLICATION NUMBER: US2004143878

CA INDEXING IS CURRENT THROUGH 27 Jul 2004 (20040727/UPCA)
ISSUE CLASS FIELDS (/INCL) CURRENT THROUGH: 27 Jul 2004 (20040727/PD)
REVISED CLASS FIELDS (/NCL) LAST RELOADED: Jun 2004
USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Jun 2004

>>> USPAT2 is now available. USPATFULL contains full text of the <<<
>>> original, i.e., the earliest published granted patents or <<<
>>> applications. USPAT2 contains full text of the latest US <<<
>>> publications, starting in 2001, for the inventions covered in <<<
>>> USPATFULL. A USPATFULL record contains not only the original <<<
>>> published document but also a list of any subsequent <<<
>>> publications. The publication number, patent kind code, and <<<
>>> publication date for all the US publications for an invention <<<
>>> are displayed in the PI (Patent Information) field of USPATFULL <<<
>>> records and may be searched in standard search fields, e.g., /PN, <<<
>>> /PK, etc. <<<

>>> USPATFULL and USPAT2 can be accessed and searched together <<<
>>> through the new cluster USPATALL. Type FILE USPATALL to <<<
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>>> Use USPATALL when searching terms such as patent assignees, <<<
>>> classifications, or claims, that may potentially change from <<<
>>> the earliest to the latest publication. <<<

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=> (prions or proteons or "misfolded proteins") same (heating and centrifuging)
MISSING OPERATOR) SAME

The search profile that was entered contains terms or
nested terms that are not separated by a logical operator.

=> (prions or proteons or "misfolded proteins") and (heating and centrifuging)

994 PRIONS
8 PROTEONS
2311 "MISFOLDED"
149454 "PROTEINS"
167 "MISFOLDED PROTEINS"
("MISFOLDED" (W) "PROTEINS")
665771 HEATING
558 HEATINGS
665810 HEATING
(HEATING OR HEATINGS)
25206 CENTRIFUGING
24 CENTRIFUGINGS
25220 CENTRIFUGING
(CENTRIFUGING OR CENTRIFUGINGS)

L4 33 (PRIONS OR PROTEONS OR "MISFOLDED PROTEINS") AND (HEATING AND
CENTRIFUGING)

=> d ti 1-33

L4 ANSWER 1 OF 33 USPATFULL on STN

TI Method of isolation and self-assembly of small protein particles from
blood and other biological materials

L4 ANSWER 2 OF 33 USPATFULL on STN

TI Multi-formed collagenous biomaterial medical device

L4 ANSWER 3 OF 33 USPATFULL on STN

TI Yeast cell surface display of proteins and uses thereof

L4 ANSWER 4 OF 33 USPATFULL on STN

TI Compositions and methods for detection and isolation of phosphorylated molecules

L4 ANSWER 5 OF 33 USPATFULL on STN
TI Yeast cell surface display of proteins and uses thereof

L4 ANSWER 6 OF 33 USPATFULL on STN
TI Methods for sterilizing biological materials by irradiation over a temperature gradient

L4 ANSWER 7 OF 33 USPATFULL on STN
TI Cell and tissue culture device

L4 ANSWER 8 OF 33 USPATFULL on STN
TI Surrogate antibodies and methods of preparation and use thereof

L4 ANSWER 9 OF 33 USPATFULL on STN
TI Methods and compositions for neutralizing anthrax and other bioagents

L4 ANSWER 10 OF 33 USPATFULL on STN
TI Radiopaque implantable collagenous biomaterial device

L4 ANSWER 11 OF 33 USPATFULL on STN
TI Method and system for detecting and recording submicron sized particles

L4 ANSWER 12 OF 33 USPATFULL on STN
TI Methods for sterilizing tissue

L4 ANSWER 13 OF 33 USPATFULL on STN
TI Methods for sterilizing tissue

L4 ANSWER 14 OF 33 USPATFULL on STN
TI Recombinant collagen and derived proteins produced by plants, methods for obtaining them and uses

L4 ANSWER 15 OF 33 USPATFULL on STN
TI Targeted enzyme prodrug therapy

L4 ANSWER 16 OF 33 USPATFULL on STN
TI Recombinant collagens and derived proteins produced by plants, methods of obtaining such and their uses

L4 ANSWER 17 OF 33 USPATFULL on STN
TI Antibodies for specifically detecting pathogenic prions of human origin, and detection methods carried out using these antibodies

L4 ANSWER 18 OF 33 USPATFULL on STN
TI Targeted enzymes

L4 ANSWER 19 OF 33 USPATFULL on STN
TI Tubular graft construct

L4 ANSWER 20 OF 33 USPATFULL on STN
TI Adjuvants for nucleic acid vaccines

L4 ANSWER 21 OF 33 USPATFULL on STN
TI Methods devices and systems for sorting and separating particles

L4 ANSWER 22 OF 33 USPATFULL on STN
TI Rapid sterilization and vaccine preparation

L4 ANSWER 23 OF 33 USPATFULL on STN
TI Nucleic acid sequences encoding type III tenebrio antifreeze proteins and method for assaying activity

L4 ANSWER 24 OF 33 USPATFULL on STN
 TI Nucleic acid sequences encoding type III tenebrio antifreeze proteins
 and method for assaying activity

L4 ANSWER 25 OF 33 USPATFULL on STN
 TI MULTI-FORMED COLLAGENOUS BIOMATERIAL MEDICAL DEVICE

L4 ANSWER 26 OF 33 USPATFULL on STN
 TI Yeast cell surface display of proteins and uses thereof

L4 ANSWER 27 OF 33 USPATFULL on STN
 TI Elemental analysis of tagged biologically active materials

L4 ANSWER 28 OF 33 USPATFULL on STN
 TI Assay for specific strains of multiple disease related conformations of
 a protein

L4 ANSWER 29 OF 33 USPATFULL on STN
 TI Yeast cell surface display of proteins and uses thereof

L4 ANSWER 30 OF 33 USPATFULL on STN
 TI Nucleic acid-coupled colorimetric analyte detectors

L4 ANSWER 31 OF 33 USPATFULL on STN
 TI Yeast cell surface display of proteins and uses thereof

L4 ANSWER 32 OF 33 USPATFULL on STN
 TI Microbial inactivation by high-pressure throttling

L4 ANSWER 33 OF 33 USPATFULL on STN
 TI Production of insulin-like growth factor-1 in methylotrophic yeast cells

=>

Connection closed by remote host
 d ab bib 2, 6, 17, 28

---Logging off of STN---

END

Unable to generate the STN prompt.
 Exiting the script...

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Welcome to STN International! Enter x:x

LOGINID:sssptal653rbm

PASSWORD:

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 NEWS 2 "Ask CAS" for self-help around the clock
 NEWS 3 May 12 EXTEND option available in structure searching

NEWS 4 May 12 Polymer links for the POLYLINK command completed in REGISTRY
 NEWS 5 May 27 New UPM (Update Code Maximum) field for more efficient patent
 SDIs in CAplus
 NEWS 6 May 27 CAplus super roles and document types searchable in REGISTRY
 NEWS 7 Jun 28 Additional enzyme-catalyzed reactions added to CASREACT
 NEWS 8 Jun 28 ANTE, AQUALINE, BIOENG, CIVILENG, ENVIROENG, MECHENG,
 and WATER from CSA now available on STN(R)
 NEWS 9 Jul 12 BEILSTEIN enhanced with new display and select options,
 resulting in a closer connection to BABS

NEWS EXPRESS MARCH 31 CURRENT WINDOWS VERSION IS V7.00A, CURRENT
 MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),
 AND CURRENT DISCOVER FILE IS DATED 26 APRIL 2004
 NEWS HOURS STN Operating Hours Plus Help Desk Availability
 NEWS INTER General Internet Information
 NEWS LOGIN Welcome Banner and News Items
 NEWS PHONE Direct Dial and Telecommunication Network Access to STN
 NEWS WWW CAS World Wide Web Site (general information)

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FILE 'HOME' ENTERED AT 15:43:39 ON 27 JUL 2004

=>

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LOGINID:sssptal653rbm

PASSWORD:

* * * * * RECONNECTED TO STN INTERNATIONAL * * * * *
 SESSION RESUMED IN FILE 'HOME' AT 15:45:22 ON 27 JUL 2004
 FILE 'HOME' ENTERED AT 15:45:22 ON 27 JUL 2004

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.21	0.21

=> file Uspatfull

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.42	0.42

FILE 'USPATFULL' ENTERED AT 15:45:47 ON 27 JUL 2004
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FILE COVERS 1971 TO PATENT PUBLICATION DATE: 27 Jul 2004 (20040727/PD)
 FILE LAST UPDATED: 27 Jul 2004 (20040727/ED)
 HIGHEST GRANTED PATENT NUMBER: US6769133
 HIGHEST APPLICATION PUBLICATION NUMBER: US2004143878
 CA INDEXING IS CURRENT THROUGH 27 Jul 2004 (20040727/UPCA)
 ISSUE CLASS FIELDS (/INCL) CURRENT THROUGH: 27 Jul 2004 (20040727/PD)

>>> USPAT2 is now available. USPATFULL contains full text of the <<<
>>> original, i.e., the earliest published granted patents or <<<
>>> applications. USPAT2 contains full text of the latest US <<<
>>> publications, starting in 2001, for the inventions covered in <<<
>>> USPATFULL. A USPATFULL record contains not only the original <<<
>>> published document but also a list of any subsequent <<<
>>> publications. The publication number, patent kind code, and <<<
>>> publication date for all the US publications for an invention <<<
>>> are displayed in the PI (Patent Information) field of USPATFULL <<<
>>> records and may be searched in standard search fields, e.g., /PN, <<<
>>> /PK, etc. <<<

>>> USPATFULL and USPAT2 can be accessed and searched together <<<
>>> through the new cluster USPATALL. Type FILE USPATALL to <<<
>>> enter this cluster. <<<
>>> <<<
>>> Use USPATALL when searching terms such as patent assignees, <<<
>>> classifications, or claims, that may potentially change from <<<
>>> the earliest to the latest publication. <<<

This file contains CAS Registry Numbers for easy and accurate
substance identification.

=> (proteons or prions "misfolded proteins") and (heating and centrifuging)

8 PROTEONS
994 PRIONS
2311 "MISFOLDED"
149454 "PROTEINS"
0 PRIONS "MISFOLDED PROTEINS"
(PRIONS(W) "MISFOLDED"(W) "PROTEINS")
665771 HEATING
558 HEATINGS
665810 HEATING
(HEATING OR HEATINGS)
25206 CENTRIFUGING
24 CENTRIFUGINGS
25220 CENTRIFUGING
(CENTRIFUGING OR CENTRIFUGINGS)

L1 1 (PROTEONS OR PRIONS "MISFOLDED PROTEINS") AND (HEATING AND CENTR
IFUGING)

=> (proteons or prions or "misfolded proteins") and (heating and centrifuging)

8 PROTEONS
994 PRIONS
2311 "MISFOLDED"
149454 "PROTEINS"
167 "MISFOLDED PROTEINS"
("MISFOLDED"(W) "PROTEINS")
665771 HEATING
558 HEATINGS
665810 HEATING
(HEATING OR HEATINGS)
25206 CENTRIFUGING
24 CENTRIFUGINGS
25220 CENTRIFUGING
(CENTRIFUGING OR CENTRIFUGINGS)

L2 33 (PROTEONS OR PRIONS OR "MISFOLDED PROTEINS") AND (HEATING AND
CENTRIFUGING)

=> d ti 1-33

L2 ANSWER 1 OF 33 USPATFULL on STN
TI Method of isolation and self-assembly of small protein particles from blood and other biological materials

L2 ANSWER 2 OF 33 USPATFULL on STN
TI Multi-formed collagenous biomaterial medical device

L2 ANSWER 3 OF 33 USPATFULL on STN
TI Yeast cell surface display of proteins and uses thereof

L2 ANSWER 4 OF 33 USPATFULL on STN
TI Compositions and methods for detection and isolation of phosphorylated molecules

L2 ANSWER 5 OF 33 USPATFULL on STN
TI Yeast cell surface display of proteins and uses thereof

L2 ANSWER 6 OF 33 USPATFULL on STN
TI Methods for sterilizing biological materials by irradiation over a temperature gradient

L2 ANSWER 7 OF 33 USPATFULL on STN
TI Cell and tissue culture device

L2 ANSWER 8 OF 33 USPATFULL on STN
TI Surrogate antibodies and methods of preparation and use thereof

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TI Methods and compositions for neutralizing anthrax and other bioagents

L2 ANSWER 10 OF 33 USPATFULL on STN
TI Radiopaque implantable collagenous biomaterial device

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TI Method and system for detecting and recording submicron sized particles

L2 ANSWER 12 OF 33 USPATFULL on STN
TI Methods for sterilizing tissue

L2 ANSWER 13 OF 33 USPATFULL on STN
TI Methods for sterilizing tissue

L2 ANSWER 14 OF 33 USPATFULL on STN
TI Recombinant collagen and derived proteins produced by plants, methods for obtaining them and uses

L2 ANSWER 15 OF 33 USPATFULL on STN
TI Targeted enzyme prodrug therapy

L2 ANSWER 16 OF 33 USPATFULL on STN
TI Recombinant collagens and derived proteins produced by plants, methods of obtaining such and their uses

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L2 ANSWER 18 OF 33 USPATFULL on STN
TI Targeted enzymes

L2 ANSWER 19 OF 33 USPATFULL on STN
TI Tubular graft construct

L2 ANSWER 20 OF 33 USPATFULL on STN

TI Adjuvants for nucleic acid vaccines
 L2 ANSWER 21 OF 33 USPATFULL on STN
 TI Methods devices and systems for sorting and separating particles
 L2 ANSWER 22 OF 33 USPATFULL on STN
 TI Rapid sterilization and vaccine preparation
 L2 ANSWER 23 OF 33 USPATFULL on STN
 TI Nucleic acid sequences encoding type III tenebrio antifreeze proteins and method for assaying activity
 L2 ANSWER 24 OF 33 USPATFULL on STN
 TI Nucleic acid sequences encoding type III tenebrio antifreeze proteins and method for assaying activity
 L2 ANSWER 25 OF 33 USPATFULL on STN
 TI MULTI-FORMED COLLAGENOUS BIOMATERIAL MEDICAL DEVICE
 L2 ANSWER 26 OF 33 USPATFULL on STN
 TI Yeast cell surface display of proteins and uses thereof
 L2 ANSWER 27 OF 33 USPATFULL on STN
 TI Elemental analysis of tagged biologically active materials
 L2 ANSWER 28 OF 33 USPATFULL on STN
 TI Assay for specific strains of multiple disease related conformations of a protein
 L2 ANSWER 29 OF 33 USPATFULL on STN
 TI Yeast cell surface display of proteins and uses thereof
 L2 ANSWER 30 OF 33 USPATFULL on STN
 TI Nucleic acid-coupled colorimetric analyte detectors
 L2 ANSWER 31 OF 33 USPATFULL on STN
 TI Yeast cell surface display of proteins and uses thereof
 L2 ANSWER 32 OF 33 USPATFULL on STN
 TI Microbial inactivation by high-pressure throttling
 L2 ANSWER 33 OF 33 USPATFULL on STN
 TI Production of insulin-like growth factor-1 in methylotrophic yeast cells

=> d ab bib 2, 6, 17, 28

L2 ANSWER 2 OF 33 USPATFULL on STN
 AB The invention involves a submucosa tissue that has the capability of being shape formed or shape configured. The submucosa involves a purified form of submucosa tissue. Optionally, the submucosa can be packaged in such a manner to permit sterility or maintain sterility of the submucosa.
 AN 2004:177878 USPATFULL
 TI Multi-formed collagenous biomaterial medical device
 IN Hiles, Michael C., Lafayette, IN, UNITED STATES
 Patel, Umesh H., West Lafayette, IN, UNITED STATES
 PI US 2004137042 A1 20040715
 AI US 2003-744420 A1 20031223 (10)
 RLI Continuation of Ser. No. US 1999-320933, filed on 27 May 1999, GRANTED, Pat. No. US 6666892 Continuation-in-part of Ser. No. US 1997-916490, filed on 22 Aug 1997, GRANTED, Pat. No. US 6206931
 PRAI US 1996-24542P 19960823 (60)
 US 1996-24693P 19960906 (60)

US 1998-110407P 19981201 (60)
DT Utility
FS APPLICATION
LREP Woodard, Emhardt, Moriarty, McNett & Henry LLP, Bank One Center/Tower,
Suite 3700, 111 Monument Circle, Indianapolis, IN, 46204-5137
CLMN Number of Claims: 20
ECL Exemplary Claim: 1
DRWN 1 Drawing Page(s)
LN.CNT 937

L2 ANSWER 6 OF 33 USPATFULL on STN

AB Methods are disclosed for sterilizing tissue to reduce the level of one or more active biological contaminants or pathogens therein, such as viruses, bacteria, (including inter- and intracellular bacteria, such as mycoplasmas, ureaplasmas, nanobacteria, chlamydia, rickettsias), yeasts, molds, fungi, spores, **prions** or similar agents responsible, alone or in combination, for TSEs and/or single or multicellular parasites. The methods involve sterilizing one or more tissues with irradiation.

AN 2004:44170 USPATFULL

TI Methods for sterilizing biological materials by irradiation over a temperature gradient

IN MacPhee, Martin, Montgomery Village, MD, UNITED STATES
Calvert, Glenn, Frederick, MD, UNITED STATES
Lynch, Tom, Rockville, MD, UNITED STATES
Kent, Randall S., Thousand Oaks, CA, UNITED STATES
Mann, David, Gaithersburg, MD, UNITED STATES
Burgess, Wilson, Clifton, VA, UNITED STATES
Miekka, Shirley, Gaithersburg, MD, UNITED STATES
Drohan, William N., Springfield, VA, UNITED STATES

PI US 2004033160 A1 20040219

AI US 2002-197249 A1 20020718 (10)

DT Utility

FS APPLICATION

LREP FLESHNER & KIM, LLP, P.O. BOX 221200, CHANTILLY, VA, 20153

CLMN Number of Claims: 102

ECL Exemplary Claim: 1

DRWN 2 Drawing Page(s)

LN.CNT 3969

L2 ANSWER 17 OF 33 USPATFULL on STN

AB Antibodies for specifically detecting pathogenic **prions** of human origin, and methods for detecting pathogenic **prions**, are described. In particular, a conformation-dependent immunoassay method for detecting pathogenic prion proteins in a sample of a body fluid, containing a PrP protein, which contains a first, natural, non-pathological conformation, i.e. PrP^{sup.c}, and a second, pathological conformation, i.e. PrP^{sup.Sc}, is described, in which method the prion proteins differ in their binding affinity for monoclonal antibodies which bind specifically to prion proteins of human origin, with the detection method comprising the following steps:

a) adding one of the abovementioned monoclonal antibodies, which is fixed to a solid support and which exhibits a higher affinity for the first prion protein conformation, to the first portion of the sample, and determining this first concentration;

b) treating the second portion of the sample in order to increase the binding affinity of the second conformation of the prion protein for the monoclonal antibody;

c) adding the monoclonal antibody to the treated second portion of the sample to be investigated, in order to determine the second concentration;

d) comparing the first prion protein concentration with the second prion protein concentration in order to ascertain the presence of the pathogenic prion protein conformation.

AN 2003:134009 USPATFULL

TI Antibodies for specifically detecting pathogenic prions of human origin, and detection methods carried out using these antibodies

IN Vey, Martin, Marburg, GERMANY, FEDERAL REPUBLIC OF
Lang, Wiegand, Coelbe, GERMANY, FEDERAL REPUBLIC OF
Groener, Albrecht, Marburg, GERMANY, FEDERAL REPUBLIC OF
Bellon, Anne, Marburg, GERMANY, FEDERAL REPUBLIC OF

PI US 2003092094 A1 20030515

AI US 2002-273282 A1 20021018 (10)

PRAI DE 2001-152677 20011019

DT Utility

FS APPLICATION

LREP Finnegan, Henderson, Farabow,, Garrett & Dunner, L.L.P., 1300 I Street,
N.W., Washington, DC, 20005-3315

CLMN Number of Claims: 22

ECL Exemplary Claim: 1

DRWN 3 Drawing Page(s)

LN.CNT 708

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L2 ANSWER 28 OF 33 USPATFULL on STN

AB Assay methodology of the invention allows for: (1) determining if a sample contains a conformation of a protein which is associated with disease and the concentration and amount of such if present; (2) determining the amount of protease resistant disease related protein in a sample and by subtracting that amount from the total amount of disease related protein present determining the amount of protease sensitive disease protein in the sample; and (3) determining the strain and incubation time of a disease related protein by (i) relating the relative amounts of protease resistant and protease sensitive protein to known strains to thereby determine the strain; and (ii) plotting the concentration of protease sensitive protein on a graph of incubation time versus concentration of protease sensitive protein for known strains to predict the incubation time of an unknown strain of pathogenic protein in a sample.

AN 2002:3842 USPATFULL

TI Assay for specific strains of multiple disease related conformations of a protein

IN Prusiner, Stanley B., San Francisco, CA, UNITED STATES

Safar, Jiri G., Concord, CA, UNITED STATES

Cohen, Fred E., San Francisco, CA, UNITED STATES

PI US 2002001817 A1 20020103

US 6617119 B2 20030909

AI US 2001-901865 A1 20010709 (9)

RLI Continuation of Ser. No. US 1998-151057, filed on 10 Sep 1998, PENDING
Continuation-in-part of Ser. No. US 1998-26957, filed on 20 Feb 1998,
ABANDONED Continuation-in-part of Ser. No. US 1997-804536, filed on 21.
Feb 1997, GRANTED, Pat. No. US 5891641

DT Utility

FS APPLICATION

LREP Karl Bozicevic, Bozicevic, Field and Francis LLP, Suite 200, 200
Middlefield Road, Menlo Park, CA, 94025

CLMN Number of Claims: 20

ECL Exemplary Claim: 1

DRWN 19 Drawing Page(s)

LN.CNT 2676

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

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COST IN U.S. DOLLARS

SINCE FILE

TOTAL

FULL ESTIMATED COST

ENTRY

SESSION

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21.28

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NEWS	5 FEB 28	BABS - Current-awareness alerts (SDIs) available
NEWS	6 FEB 28	MEDLINE/LMEDLINE reloaded
NEWS	7 MAR 02	GBFULL: New full-text patent database on STN
NEWS	8 MAR 03	REGISTRY/ZREGISTRY - Sequence annotations enhanced
NEWS	9 MAR 03	MEDLINE file segment of TOXCENTER reloaded
NEWS	10 MAR 22	KOREAPAT now updated monthly; patent information enhanced
NEWS	11 MAR 22	Original IDE display format returns to REGISTRY/ZREGISTRY
NEWS	12 MAR 22	PATDPASPC - New patent database available
NEWS	13 MAR 22	REGISTRY/ZREGISTRY enhanced with experimental property tags
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